Abstract

The invention discloses a method of optimizing soft handover between Radio Network Controllers (RNCs). The method comprises: (a) UE measuring signals of co-frequency neighbor cell to obtain a measuring result, and reporting the measuring result to a SRNC; (b) The SRNC making a handover decision to determine whether to make a soft handover; if yes, then determining whether said SRNC has right to dispatch common resources of a target Node B; (c) If having the right to dispatch common resources of Node B, said SRNC applying for required common resources of the target Node B to a specific functional entity that controls the common resources; according to status of current use of common resources of said target Node B, said specific functional entity responding whether the common resources are available, if yes, then establishing a connection between said SRNC and said target Node B, and initiating a soft handover within the RNC. The method makes handover complexity reduced greatly, and the handover reliability, stability and success rate is raised.